Amendments to the Specification:

Please amend the specification as follows.

Please replace the paragraph bridging Pages 5 and 6 with the following amended paragraph:

As shown in FIGS. 1 through 3, the plate 2 is formed by ~~the~~ injection molding, and has a substantially flat plate shape. The surface (first face) 4 of the plate 2 is formed with a first elongated straight fine groove 5 which extends in directions in FIG. 1, and a second fine groove 6 which extends in directions perpendicular to the first groove 5. The first groove 5 and second groove 6 of the plate 2 have a substantially rectangular cross section (for example, a rectangular cross section having a groove width of 100 μm and a groove depth of 50 μm), and an overall length of a few centimeters. A pair of sample receiving holes 8 and 8 passing through the plate 2 from the surface 4 to reverse surface (second face) 7 of the plate 2 are formed in both end portions of each of the first groove 5 and second groove 6 so as to communicate with the first groove 5 and second groove 6, respectively (see FIG. 1). The size of the sample receiving holes 8 is sufficient to receive therein an electrophoresis solution and a sample, and the sample receiving holes 8 having a diameter of about hundreds micrometers to twenty millimeters.

Page 6, please replace the second full paragraph with the following amended paragraph:

As shown in FIGS. 1 through 3, the plate 2 has an inspecting light irradiating region (a measuring region) 10, which is irradiated with inspecting light (ultraviolet rays) in the middle of the first groove 5. On the side of the reverse surface 7 in the measuring region 10, a substantially

rectangular recessed portion 11 is formed so as to correspond to the first groove 5. The recessed portion 11 substantially has the same groove width as that of the first groove 5. The recessed portion 11 has such a groove depth that ultraviolet rays easily pass through the bottom portion of the first groove 5 having a thickness t1 (e.g., 200 μm). In this preferred embodiment, the ~~plate2has~~ plate 2 has a thickness of 1 mm in view of working conditions.

Please replace the paragraph bridging Pages 7 and 8 with the following amended paragraph:

According to this preferred embodiment with this construction, the plate 2 having the fine grooves (the first and second grooves 5 and 6) and sample receiving holes 8 is formed by ~~the~~ injection molding. Therefore, the resin chip 1 capable of being used as a capillary electrophoresis chip can be produced in large quantities in a short time, so that it is possible to provide inexpensive resin chips 1. The resin chip 1 in this preferred embodiment can be more inexpensively scraped (burned up) than conventional micro chips being a glass chip.

Page 10, please replace the second full paragraph with the following amended paragraph:

The plane shape of the fine grooves 5 and ~~5~~ 6 according to the present invention should not be limited to the cross shape in the above described preferred embodiment, but it may have another complicated shape, such as a linear shape (I shape), Y shape or a curved shape.